

# **The Road to CMMI – TACOM-ARDEC Software Enterprise**



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# Environment

- **TACOM-ARDEC Software Enterprise Improvement Activity.**
  - **TACOM Life Cycle Software Engineering Center (LCSEC).**
  - **QED Systems/Software Technology, Analysis and Reliability (STAR) Team.**
- **Using CMMI-SE/SW/A**

# Transition Related Benefits

- CMMI is less burdensome in the implementation phases, for example, eliminating the extensive set of required procedures, and permitting a more tailored, economic development of standard processes and procedures.
- CMMI provides detailed integrated acquisition management coverage.
- CMMI can be applied to non-developmental projects, increasing the “bang for the buck.”

# What we did to make it work

“Treat everything as a project”

- Configuration Management
- Quality Assurance
- Facility management
- Host computer support
- Etc.

# This has caused problems

- Management resistance
- These support “processes” are managed based on inventory or “flow rate” not start-end dates
- Organization planning & management is not directly addressed by CMMI

# Project Problem

- Do we address:
  - The 20+ year product life or
  - The yearly upgrade/update?
- If the 20+ year product life is the “Project” then how are the yearly upgrades/updates handled?

# One Solution

- Rewrite PP, PMC, IPM, & QPM to handle planning and management from a generic point of view
- Use “project” as one of types of efforts that needs to be planned and managed
- Include examples for other types of efforts
- Adjust other Process Areas accordingly